

ATTACHMENT B

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (previously presented) A method for performing an imposition verification on sheets of paper or another material of impositions prepared by means of digital data and comprising several print pages consisting of text and/or images using a printing unit) in the form of a plotter/printer having a magazine for paper or another sheet formed material and means feeding one sheet of paper at the time into the printing unit, whereby a test print sheet is introduced through a feeding/turning unit of the printing unit and is printed on one side of the sheet based on digital information which has been received in a control unit of the printing unit, and the sheet of paper is turned upside down after the first page has been printed and the sheet is printed on the opposite side thereof based on digital information which has been received in the control unit or said printing unit, and a visual or another verification is made to determine that the print pages of the impositions for the two print sides are located exactly as determined and that the impositions of the front and rear sides of the print sheet exactly coincide with each other, and, in case any lack of exactness is observed, corrections are made in the computer unit for preparing text and/or images, whereupon a renewed verification printing is made as mentioned above, characterized in that

- in that the sheet of paper is fed, with the front edge thereof, to a position against a stop edge at the printing unit,

- in that the sheet of paper, from a place spaced rearwardly from said front edge is moved inwards a further little distance by means of secondary feeder rolls, whereby the sheet of paper becomes buckled and the front edge of the paper is straightened up,

- whereupon the feeding of the sheet of paper is stopped, the printing roll and the counter press rolls are rotated slowly so that the front edge of the sheet, which is now straightened up, is pulled forwards and is kept secured by the printing roll and the counter press rolls of the printing unit,

- and the rear (secondary) feeder rolls are released so that the sheet of paper is given the possibility, in case said sheet happens to be positioned obliquely, of being rotated and being straightened out to enter an exactly correct position.

2. (previously presented) A method according to claim 1, characterized in that the verification printing is made with the sheet of paper supported on a rotary printing roll, in that the printing of the first side (the front side) of the sheet of paper is made with the printing roll rotating in a predetermined direction (counter clockwise direction as seen in figure 3), whereupon the sheet of paper is turned and the opposite side (the rear side) of the sheet of paper is printed in that the printing roll is rotated in the same direction as in the said first direction with the sheet of paper turned upside down so that said opposite side (the rear side) of the sheet of paper is facing the printing unit.

3. (previously presented) A method according to claim 1, characterized

- in that the turning of the sheet of paper is made in that said sheet of paper is kept secured during the printing of the first side of the sheet by the secondary feeder rolls,

- in that the rotation direction of said secondary feeder rolls is reversed,
- and in that the sheet of paper is moved on, the front edge, upon need, is adjusted,

- and the sheet of paper is printed in the same way as the first side thereof was printed.

4. (currently amended) An apparatus for executing the method according to claim 1, comprising

means for preparing impositions in digital form comprising several print pages each containing text and/or images,

a printing unit for printing of sheets of paper,
a magazine for plane sheets of paper,
a feeder unit for feeding sheets of paper from said magazine to a printing unit of a type known per se,

characterized in that the feeder unit is formed as a combined feeder and turning unit for sheets of paper comprising guide plates for the sheet of paper, stop means arranged adjacent a printing roll of the printing unit, secondary feeder rolls in the feeding unit mounted spaced from said stop means and arranged so that they can be rotated in two opposite directions, so that they can be stopped in a locking position for the sheet of paper, and so that they can be opened for releasing of the sheet of paper or parts thereof.

5. (previously presented) An apparatus according to claim 4, characterized in that the turning unit for sheets of paper comprises means for providing a stop edge for the sheet of paper and for providing

- a) a driving of secondary drive rolls and counter rolls cooperating therewith,
- b) a stopping of said drive rolls with the counter rolls pressed into contact with the drive rolls, and
- c) a releasing of said counter rolls from the secondary drive rolls.

6. (previously presented) An apparatus according to claim 4, characterized in that the stop edge for the sheet of paper comprises one or more counter press rolls arranged for being pressed into contact with a printing roll of the printing unit and, at still standing printing roll, to form a stop edge for straightening up the sheet of paper.

7. (previously presented) An apparatus according to claim 4, characterized in that the feeder unit is formed with a sensor for indicating the existence of a sheet of paper while feeding in such paper and turning same.